Calculating or Determining the 90th Percentile during Initial, Follow-up, Routine, and Reduced Monitoring

If you collect 10 samples, determine your 90th percentile like this:
(This is an example. Insert your own sample results.)

Sample Site #	Sample results
1	0.001
2	0.001
3	0.001
4	0.001
5	0.001
6	0.004
7	0.005
8	0.006
9 (90th)	0.008
10	0.010

* ** *

If you collect 5 samples, calculate your 90th percentile like this:
(This is an example. Insert your own sample results.)

Sample Site #	Sample results
1	0.001
2	0.001
3	0.006
4	0.008
5	0.014

Average of #4 & #5 is 90th % =   0.011

		0.008	
	+	0.014	
To Average:		0.022	divide 0.022 by 2 = 0.011

(w:\wp\other\pbcu\calc90th.doc)

(Use this format if your laboratory does not provide a 90th percentile summary for you)

Public Water Supply ID No. _____

Name of Public Water Supply: _____

Results of Monitoring:

	Date Collected	Sample Location	Lead Result	Which Tier?
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

90th Percentile for Lead:

	Date Collected	Sample Location	Copper Result	Which Tier?
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

90th Percentile for Copper:

Mail to : Department of Natural Resources, Water Supply Section
Attn: Janice Evans
Wallace State Office Building
Des Moines, Iowa 50319-0034

(w:\wp\other\pbcu\rpt90th.doc)

PWSID # _____

NAME OF PUBLIC WATER SUPPLY: _____

Month & Year Samples were Collected: _____

SAMPLES SITE IDENTIFICATION AND CERTIFICATION

RESULTS OF MONITORING

THE RESULTS OF LEAD AND COPPER TAP WATER SAMPLES *MUST* BE ATTACHED TO THIS DOCUMENT

samples required _____ # samples submitted _____ 90th Percentile Lead _____
90th Percentile Copper _____

CHANGE OF SAMPLING SITES

Original site address:

_____

_____

New site address:

_____

_____

Distance between sites (approximately) :

_____

Targeting Criteria : NEW : _____ OLD: _____

Reason for change (attach additional pages if necessary):

_____

_____

SIGNATURE (name & title) Today's Date: _____

_____